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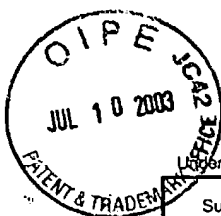
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/823,284
				Filing Date	March 30, 2001
				First Named Inventor	Andrei Mikheev
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	3166/1G947US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

OTHER - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LB		McCrirkard, D. et al. "Visualizing Search Results Using SQWID," Sixth International Worldwide Web Conference; Poster Presentation, April 11, 1997, pp.1-8.	
LB		Shimamura, H. et al. "A Domain Cluster Interface for WWW Search," Database and Expert Systems Applications, August 28, 1998, pp.455-460.	
LB		Mukherjee, S. et al. "Visualizing World-Wide Web Search Engine Results," Information Visualization, July 14, 1999, pp. 400-405.	
LB		Liu, Y.H. et al. "Visualizing Document Classification: A Search Aid for the Digital Library," Research and Advanced Technology for Digital Libraries, September 21, 1998, pp. 555-567.	
LB		Govindarajan, J. et al. "Geo Visor-Geographic Visualization of Search Engine Results," Database and Expert System Applications, September 1, 1999, pp. 269-273.	

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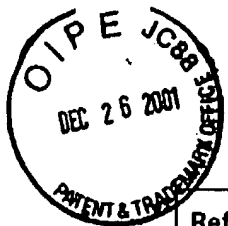
Technology Center 2100

Examiner Signature	<i>Londra Bunge</i>	Date Considered	6-18-04
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Reference list in the "Prior Art Assessment" document is summarized in the following table:

References listed in "Prior Art Assessment" document	Status of document
1. Dagan, I. and Church, K. 1994 "Termite: Identifying and translating technical terminology". Proceedings of the Fourth Conference on Applied Natural Language Processing, p. 34-40.	No copy of document provided by Mr. Mikheev.
2. Heid, U. Jauss, S., Kruger, K. and Hohmann, A. 1996 "Term extraction with standard tools from corpus exploration. Experience from German". In TKE '96: Terminology and Knowledge Engineering, 139-150, Berlin: Indeks Verlag.	Copy provided by Mr. Mikheev and included in IDS.
3. Bourigault, D. 1994 LEXTER, un Logiciel d'Extraction de TERminologie. [sic] Application a l'acquisition des connaissances a partir de texts. Ph.D Thesis. Paris: Ecole des Hautes Etudes in Sciences Sociales.	Alternate document provided by Mr. Mikheev and included in IDS.
4. Justeson, J. and Katz, S. 1995 "Technical terminology: some linguistics properties and an algorithm for identification in text". Natural Language Engineering, 1 1:9-27.	No copy provided by Mr. Mikheev.
5. Anick, P.G. Automatic Construction of Faceted Terminology Feedback for Context Based Information Retrieval. Ph.D. Thesis, Brandeis University.	Alternate document provided by Mr. Mikheev and included in IDS.
6. Richard H. Fowler, Bradley A. Wilson, and Wendy A.L. Fowler 1992 "Information Navigator: An information system using associative networks for display and retrieval" Report NAG9-551, No. 92-1 Department of Computer Science University of Texas - Pan American (available at <a href="http://www.cs.panam.edu/info_vis/inf_nav/info_nav_tr_92.html">http://www.cs.panam.edu/info_vis/inf_nav/info_nav_tr_92.html</a> )	Copy provided by Mr. Mikheev and included in IDS.
7. Crouch, D.B., Crouch, C.J., & Andreas, G. (1989). The use of cluster hierarchies in hypertext information retrieval. Hypertext '89 Proceedings, NY: ACM Press. 225-237.	No copy of document provided by Mr. Mikheev.
8. U.S. 5,963,965, Vogel, C. 1999 "Text Processing and Retrieval System and Method".	Copy provided by Mr. Mikheev and included in IDS.
9. Mani, I & Bloedorn, E (1997) Summarizing similarities and differences among related documents. In proceedings Fourteenth National Conference on Artificial Intelligence, p. 622-628, AAAI Press, Menlo Part, CA.	Copy provided by Mr. Mikheev and included in IDS.



References listed in "Prior Art Assessment" document	Status of document
10. Bruza, P.D. and S. Denis 1997 <<Query ReFormulation in the Internet: Empirical Data and the Hyperindex Search Engine.>>	Copy provided by Mr. Mikheev and included in IDS.

We also note that in his "assessment," Mr. Mikheev refers to the following products for which he did not provide documentation, except, Inxight and Semio, which are included in the accompanying IDS.

Products and companies	References for information
Vivisimo (search engine)	www.vivisimo.com
Murax by Inxight Inc.(search engine)	www.trymurax.com www.inxight.com
Excite (search engine)	
Northern Lights (search engine)	www.nlsearch.com
SemioMap from Semio Corp.	www.semio.com
ThemeScape from Aurigin Systems (formerly Cartia Inc.)	www.aurigin.com
HypebolicTree [sic] from Inxight	www.inxight.com
Umap from Trivium Ltd.	www.umap.com www.trivium.fr
Information Navigator/Concept Map	See Fowler reference

In his current "assessment" Mr. Mikheev only refers to two of the four products that he originally referred to in his August 30, 2001 letter. The two referenced again are Semio Map by Semio Corp and HypebolicTrees [sic] by Inxight. The two products that were not referenced in the August 30, 2001 letter, were Information Map by Cartia Corp. and an unnamed product by Trac.

**LIST OF REFERENCES CITED BY APPLICANT**

(Use Several Sheets if Necessary)

DOCKET NO.: 3166/1G947  
APPLICANT: Andrei MIKHEEVSERIAL NO: 09/823,284  
FILING DATE: March 30, 2001  
CONFIRMATION NO: 6790**RECEIVED****U.S. PATENT DOCUMENTS**

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*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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**FOREIGN PATENT DOCUMENTS**

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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**OTHER REFERENCES****(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)**\*EXAMINER  
INITIALS

*JB* 1. Aurigin Systems, Feb. 13, 2001, <http://www.aurigin.com/press/cartia.html>, "Aurigin Systems Strengthens Integrated Solution Intellectual Property Position with Acquisition Cartia;"

*JB* 2. Augrin Systems, <http://www.aurigin.com/aureka.html>, "The Aureka Client/Server System," (printed March 22, 2002);

*JB* 3. Transcriptions Colloquium, Department of English, University of California, Santa Barbara, <http://transcriptions.english.ucsb.edu/colloquia/Kirshenbaum/ATT00163.HTM>, "Cartia's Themescape System," (printed February 18, 2002);

*JB* 4. Schwartz, Larry, "The Riches of the Knowledge Economy," Aurigin Systems, EPIDOS Annual Conference 2000, October 10, 2000, Vienna, Austria;

*JB* 5. TextOre, "The Information Refinery," January 15, 1997, TASC White Paper, p. 1-9;

*JB* 6. Dagan, I. and Chruch, K., "Termight: Identifying and Translating Technical Terminology," In Proceeding of ACL Conference on Applied Natural Language Processing, 1994, p. 1-7;

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CONFIRMATION NO: 6790**\*EXAMINER  
INITIALS**

JB

7. Crouch, D.B., et al., "The Use of Cluster Hierarchies in Hypertext Information Retrieval", Hypertext '89

Proceedings, November 1989, p. 225-237;

JB

8. Justeson, J.S. and Katz, S.M., "Technical Terminology: Some Linguistic Properties and an Algorithm for Identification in Text," Natural Language Engineering 1, 1995, p. (1): 9-27;

EXAMINER:



DATE CONSIDERED: 6-18-04

**\*EXAMINER:**

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT AND TRADEMARK OFFICE

Docket No.: 3166/1G947

Serial No.: 09/823,284

Applicant: Andrei Mikheev

Filing Date: March 30, 2001

Confirmation No: 6790

SUPPLEMENTAL CITATION LIST

Full Citation for References listed in "List of References Cited By Applicant, Form PTO 1449" accompanying the Information Disclosure Statement filed December 26, 2002	
JB	3. Bourigault, D. & Jacquemin, C. (1999) <i>TERM EXTRACTION + TERM CLUSTERING: An Integrated Platform for Computer-Aided Terminology</i> , In Proceedings of the 9 <sup>th</sup> Conf. Of the European Chapter of the Association for Computational Linguistics (EACL '99), Bergen, June 8-12, 1999;
JB	4. Anick, Peter G. "The automatic construction of faceted term logical feedback for interactive document retrieval" Chapter 2 in Recent Advances in Computational Terminology edited by Didier Bourigault, Christin Jacquemin, Marie-Clause L'Homme, John Benjamins Publishing, 2001 ISBN 90 272 4984 9 (Eur) / 1 58811 016 8 (US); and
JB	7. Bruza, P.D. & Dennis, S.: "Query ReFormulation on the Internet: Empirical Data and the Hyperindex Search Engine" In proceedings of the 5 <sup>th</sup> COMPUTER-ASSISTED INFORMATION SEARCH ON INTERNET (RIAO'97), Montreal, pp. 488-499 (June, 1997).

Jorda Buge 6-18-04



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT &amp; TRADEMARK OFFICE

SHEET 1 OF 2  
(REV. 7-80)**LIST OF REFERENCES CITED BY APPLICANT**

(Use Several Sheets if Necessary)

DOCKET NO.: 3166/1G947  
APPLICANT: Andrei MIKHEEVSERIAL NO: 09/823,284  
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**U.S. PATENT DOCUMENTS**

<u>*EXAMINER</u> <u>INITIALS</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>NAME</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING DATE</u>
JB	1. 5,963,965	10/05/1999	Vogel	707	501	02/18/1997

**FOREIGN PATENT DOCUMENTS**

<u>*EXAMINER</u> <u>INITIALS</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>COUNTRY</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>TRANSLATION</u> <u>YES</u> <u>NO</u>
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**OTHER REFERENCES****(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)**\*EXAMINER  
INITIALS

JB

2. Heid, U. et al. "Term extraction with standard tools from corpus exploration. Experience from German"  
TKE '96 Fourth International Congress on Terminology and Knowledge Engineering, Wein, August 26-30,  
1996

JB

3. Bourigault, D. and Jacquemin, C. "Term Extraction + Term Clustering: Integrated Platform for  
Computer-Aided Terminology"

JB

4. Anick, P.G. "The Automatic Construction of Faceted Terminology Feedback for Context Based  
Information Retrieval" Chapter 2.



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JB

5. Fowler, R. H. et al "Information Navigator: an Information System Using Associative Networks for Display and Retrieval" Report NAG9-551, No. 92-1 Department of Computer Science University of Texas - Pan American. [http://www.cs.panam.edu/info\\_vis/inf\\_nav/info\\_nav\\_tr\\_92.html](http://www.cs.panam.edu/info_vis/inf_nav/info_nav_tr_92.html).

JB

6. Mani, I. and Bloedorn, E. "Summarizing Similarities and Differences among Related Documents" Information Retrieval, 1 pp 35-67 (1999)

JB

7. Bruza, P.D. and Dennis S. "Query ReFormulation in the Internet: Empirical Data and the Hyperindex Search Engine" January 24, 1997

JB

8. InXight, "Inxight Murax Server and Software Development Kit: Steering Users towards the Right Information" An Inxight White Paper, p 1-5.

JB

9. SemioMap, "Finding Your Way Past Information Overload" Semio Corporation, 2001. <Http://www.semio.com/products/semiomap/howdoesitwork.html>.

Londa Buze 6-18-01